



Indiana's Weatherization Programs

The purpose of Indiana's weatherization programs is to:

- Provide energy conservation measures to the homes of Indiana's low-income population
- To preserve and create jobs and promote economic recovery

Important Upcoming Dates

• **IHCDA Statewide HEC Program Training- June 24**

Save the date! IHCDA will host training for ARRA recipients on Thursday, June 24, from 9am until 3pm in the 8th floor conference room of IHCDA's 30 South Meridian Street office building.

• **LIHEAP Benchmark- June 30 (claims to be reviewed on July 15th)**

Sub-grantees receiving LIHEAP funds must reach their 75% benchmark by Wednesday, June 30. See IV D(3) in the grant agreement for specifics.

• **ARRA Hours Created/Retained- July 2 by Noon**

Sub-grantees receiving ARRA funds must turn in their report recording job hours created and retained by Friday, July 2.

• **ARRA HEC Round 1 Close Out- July 30**

Sub-grantees whose grant ended May 31, 2010 must submit their ARRA HEC Close Out Form no later than Friday, July 30, 2010. *For those sub-grantees with extensions, Close Out Forms are due 30 days after the extension expires.*

Save the Date!

INCAA is hosting a statewide weatherization conference November 16-18 at the French Lick Springs Hotel. *You don't want to miss this!*



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The Weatherization Xpress



Letter from Paul Krievins:

Every day I walk into the office, I get questions from sub grantees. Questions like: "Where are we at as a state?", "What are monitors seeing at other agencies?", and "Is there anywhere we can go to see upcoming events?" These questions and many others are the impetus for this newsletter.

With the fantastic pace that we have all been working at over the last year, this newsletter is an opportunity for you to step back and take a look at our program as a whole. It's a chance for each of us to realize how big this program is and how important it has become to all Hoosiers. This newsletter will shed some light on best practices, the future of weatherization funding, and exciting technical developments.

I hope you enjoy.

-Paul

in this issue

- Tech Talk **P.1**
- Monitoring: Current Issues **P.2**
- Programmatic Updates **P.3**
- Top Five Findings **P.3**

Tech Talk: Feedback from the Field

In this issue, IHCDA's technical monitors talk new inspection forms, furnace grounding issues, and common monitoring findings.

There are two new forms available for immediate use by weatherization administrators: the Gas Appliance Inspection Form and the Unvented Gas Space Heater Inspection Form, which can be found in the 2010 Policy and Procedure Manual as appendices K and L, respectively. These forms went into effect on April 1, 2010. If your agency is not currently using the forms, they should be integrated into your operations as soon as possible.

The revised Gas Appliance Inspection Form has a new look and flow, but still maintains all of Indiana's weatherization testing protocol. An important change to the form is on the last page—the signature page. The change will put all information about mechanical work in one place. The form now includes lines to record the name of the person who performed the initial audit, mechanical work, mechanical inspection, final inspection, and agency reviewer, as well as a line to record the date each action was completed. All agencies should be using the revised form now. The revised form can be found in Appendix K of the 2010 Policy and Procedures Manual.

The new Unvented Gas Space Heater Inspection form outlines the situations in which DOE will allow an unvented heater to remain in operation in a client's home. Be aware that IHCDA will continue to monitor unvented space heaters to ensure compliance with DOE's policies. Please take some time to familiarize yourself with the new form as IHCDA's monitors will be looking for this form in client files where unvented space heaters have been, or should have been, addressed. All agencies should be using the revised form now. The revised form can be found in Appendix L of the 2010 Policy and Procedures Manual. A copy of the 2010 Policy and Procedures Manual and appendices can be found on the IHCDA website: <http://www.in.gov/ihcda/2523.htm>

The Weatherization Consent form is now available in Spanish on the IHCDA website. Also available on the IHCDA website are links to "Mold, Moisture, and Your Home" and "Renovate Right" brochures in Spanish. The form and brochures will be added to the Policy and Procedures Manual on the next update.



CLIENT FILES:
Warming Homes and
Hearts

Each edition of *The WX* will feature a piece written by someone close to Indiana's weatherization programs—the client.

"We are so grateful for you and your program. For the last five years that we have lived in our home, it has been impossible to keep warm throughout the winter months. But thanks to the needed changes that your program covered, we have been warm even though these past few miserably cold weeks.

"Our pipes used to freeze in the winter, but this year we haven't had any problems. The differences in our home are amazing!

"The men that you hired to do the work did an exceptional job. They all took time to listen to our needs and were able to meet every one. The work was done very well and very quickly.

"Mark Rickard, Andy Weaver and Travis Spaulding were all an asset to your program. You couldn't have picked better contractors. And of course our REMC man, Kim Burton, made everything come together.

"We really appreciate all of you so much. I am thankful that you have this program and that you care about the people of Peru in a very real way.

Sincerely,
Dan and Mindy Gehle and Family"
Clients of Miami County YMCA

Send your stories to: iwx@ihcda.in.gov



Monitoring: Current
Issues

Grounding Furnaces

IHCDA's monitoring staff continues to find issues and problems with furnace grounding practices across all agencies doing weatherization work. This article intends to serve as a reminder of the importance and necessity of properly grounding each furnace installed or inspected by one of Indiana's weatherization programs. The list below outlines items that must be carried out on every furnace for a proper ground.

1. The ground must go to the designated grounding screw or location inside the furnace and follow the manufacturer's recommendation and wiring diagrams.

2. The ground must be able to make it back to the service panel to be a true ground.

3. If there is a grounding screw on the SSU switch, the ground should go to the SSU switch and then continue on to the designated location inside the furnace.

4. Polarity in connection with the grounding issue must be checked and repaired as necessary.

5. New furnace installation must not only include the proper ground but the furnace must be installed on its own dedicated circuit.

6. Unintentional grounding, such as ground wires placed behind mounting screws, is not an acceptable ground.

7. The ground must be verified by testing that it is, indeed, an appropriate ground.

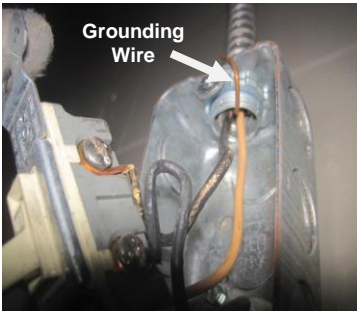
At monitoring visits and in subsequent reports, IHCDA hears many reasons why the proper grounding was not or could not be performed; however, this does not change IHCDA's expectation that each furnace is properly grounded and left in a safe condition. Far too many furnaces with grounding issues are being found by monitors. It is a serious issue as it jeopardizes client

and technician safety and compromises the ability for the furnace to function properly.

INCAA plans to address the grounding issue in great detail during their weatherization training in November in French Lick. If you have questions about proper furnace grounding, contact Ray, Steve, or the training staff at INCAA.

Proper furnace
grounding ensures the
safety of the client,
technician, and the life
of the furnace.

If you have a topic you would like IHCDA's tech team to talk about in an upcoming issue of *The WX*, submit it to: iwx@ihcda.in.gov.



The furnace above is not properly grounded. Note how the grounding wire is not attached to anything. The ground wire should be connected at the service panel.



Programmatic Updates

Each year, IHCDA must submit an updated state plan to the United States Department of Energy. The plan outlines the policies and budget by which IHCDA administers weatherization grant money. Major changes to IHCDA's Home Energy Conservation Program State Plan are outlined below.

1. Health and Safety Plan

There have been numerous changes to the health and safety plan; most prominently, the changes to Lead Safe weatherization policies. Review

the entire health and safety plan of the State Plan to familiarize yourself with all changes. The plan is posted on the IHCDA website under the public notices tab.

2. Sub-grantee Funding Formula

Traditionally, IHCDA relied on two criteria to determine the funding allocation per county: low-income population and heating degree days. County allocations for the Home Energy Conservation Program Round 2 funding were determined by three criteria: low-income population, heating degree days, and LIHEAP

program participation. Each criterion was equally weighted in the funding formula.

3. Multi-Family Guidance

Sub-grantees may begin weatherizing multi-family units in a county for which they have exhausted the list of LIHEAP clients. A list of criteria that multi-family buildings must meet to receive weatherization is listed in Program Notice AR 10-01. A list of properties pre-approved for weatherization by HUD and DOE can be found on the IHCDA website.

Top Five Findings

Below are lists of the most common findings crossed in the field. Review these lists with your auditors, crews, and contractors to improve weatherization services—and cut down on your monitoring report responses!

Shell Issues:

- Bypass sealing- high and low
- Spray foam issues- thickness of application, cleanliness of application, proper spray foam usage
- Aligning pressure and thermal boundaries- proper measures taken and addressed
- Major air sealing
- Knob and tube wiring and insulation issues

Mechanical Issues:

- Furnace grounding- dedicated circuits for new furnace installations
- Properly addressing combustion air issues
- 2-pipe 90% furnace combustion and exhaust pipe terminations
- Proper venting configurations- seven times rule, restrictions, proper draft for outside temperature, attention to details and venting regulations, proper follow-up to draft issues
- Proper clean and tune- cleaning blower wheels, burners, and blower motors and proper filter replacements

BY THE
NUMBERS:
HEC Program
Progress Report

- Homes weatherized: **5,001**
- Hoosiers served: **12,880**
- National ranking, first quarter 2010 production: **10th**
- National ranking, percent of total award spent: **31st**
- National ranking, units completed (through 3/31) compared to total ARRA units planned: **30th**
- Auditors trained: **279**
- Contractors trained: **1,801**
- Hoosier jobs created or retained: **261**
- Estimated product savings with Centralized Purchasing: **\$459,052.31**

INTRODUCING:
Ben Rickelman

Ben is Indiana's case manager for the National WAP Evaluation and will lead the data collection effort for DOE in our state. IHCDA will be coordinating the data collection efforts, but Ben will be contacting you for agency-specific information. The result will paint an accurate picture of impact of weatherization across the country. If you have questions about this project, contact Ben at 608-238-4601 x164. Thank you for your cooperation in this effort!